Form INV-2 EMISSION POINT DESCRIPTION

Duplicate this form for EACH Emission POINT

1) Company/Facility Name	ACME	HOSPIT	AL				1a) Form IN	V-2 Page	4	of	4			
2) Emission Point Number	EP7													
3) Emission Point Description	DUAL	FUEL GI	ENERA	ATOR STACK										
Is this stack/vent used as an Emergency Bypass Stack?	No		Yes [.							
If YES, for which stack(s)? List Emiss	sion Point N	los.:												
			EMISSIO	N POIN	T INFORMATIO	N								
5) Emission Point Type														
Stack/Vent														
Fugitive (specify)														
Other (specify)														
6) Stack Shape and Dimensions: (in	terior dime	nsions at exit _l	oint)											
Circular Diameter:	15	inc	hes											
Rectangular Dimensions:		inc	hes X			inches								
Other Dimensions		inc	hes											
7) Stack Height Above Ground	30	feet												
8) Does the Emission Point have a ra	in cap (or a	nything else)	which obs	tructs	the flow of gase	s leaving th	e Emission Po	int, or a ho	rizontal di	ischarge?				
No YES (specify):														
		9) (COMPOST	ION OF	EXHAUST STR	EAM								
Exhaust Stream Characteristics		nission Point on of Exhaust	Stream	Units	of Measure									
a) Flow Rate 4	,000			□ A	CFM 🛭 S	CFM								
b) Temperature 5	00			Degr	ee Fahrenheit									
			10)	BYPAS	S STACKS									
Bypass Stack – Emission Point No.		Bypass Stac Description	k											
Bypass Stack – Emission Point No.		Bypass Stac Description	k											
	11) LI	ST OF EMISSI	ON UNITS	VENTI	NG THROUGH T	HIS EMISSI	ON POINT							
Emission Unit No.	Emissio	on Unit No			Emission Uni	t No.		Emission	Unit No.					
EU7														

Duplicate this form as needed

TYPE ALL INFORMATION

(DNR Form 542-4004. December 24, 2007)

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Form INV-5 CALCULATIONS

Duplicate this form for each Form it will

1)	Company/Facility Name	ACME HOSPITAL	1a) Form INV-5		4	of	7								
2)	Emission Point No.	EP7	3)	Emission Uni	t No.	EU7	7		1						
4)	Calculations are provided in	n support of information reported on Form	INV -	3 🖂	4		for the Emissio	n Point a	nd Emissi	on Unit lis	ted above.				
5)	Emissions Calculations														
Pr	Process: Internal Diesel Combustion > 600 BHP SCC No. 20200401														
Г	Fuel: Diesel Fuel														
	Maximum rate: 75 gallons/hr x 0.140 MMBtu/gallon = 10.5 MMBtu/hr														
		l or dual fuel usage only, maximum			of fue	l may	y not exceed	0.5%, 5	00 hours	of opera	ation per				
12	months, 2.50 lbs/hr PN	M_{10} , 5.50 lbs/hr SO ₂ , and 50 lbs/hr N	NO _x .												
	Applicable pollutants: Paral fuel combustion)	M_{10} , SO_2 , and NO_x (these emission	fact	ors are high	ner for	inter	rnal diesel co	mbustio	n when	compare	d to				
		he dual fuel combustion process: P					•	e, and T	Coluene ((these en	nission				
	•	I fuel combustion when compared treporting for this process: Acetalde						ore who	n combi	ned with	the 500				
		months permit limit, lead to emissi						ns, whe	ii comoi	iicu witi	i tiic 500				
	_														
	<u>M₁₀:</u> gal/hr x 0 140 MMRtu	/gal x .14 lbs/MMBtu = 1.47 lbs/hr	· (ho	urly-uncon	trolled	emis	ssions)								
		or 2.50 lbs/hr of PM_{10} (hourly-contri	1	•		CIIII	5510115)								
2.:	50 lbs/hr x 500 hrs/yr x	1 ton/2,000lbs = .63 tons/yr (poten	tial a	annual emis	ssions)	١									
80	.														
<u>SC</u>		/gal x 1.01 lbs/MMBtu x 0.5 (Sulfu	ır co	ontent = 5.3	30 lbs/	hr (h	ourly-unconti	olled ei	missions)					
	•	or 5.50 lbs/hr of SO ₂ (hourly-contro					,			,					
5.:	50 lbs/hr x 500 hrs/yr x	1 ton/2,000lbs = 1.38 tons/yr (pote	ntial	annual em	ission	s)									
N	<u>O_x:</u>														
		/gal x 3.2 lbs/MMBtu = 33.60 lbs/h	nr (h	ourly-unco	ntrolle	d em	issions)								
	•	or 50.00 lbs/hr of NO _x (hourly-cont		•											
50	0.00 lbs/hr x 500 hrs/yr	x 1 ton/2,000 lbs = 12.50 tons/yr (po	otent	ial annual	emissi	ons)									

Duplicate this form for each Form it will Form INV-5 CALCULATIONS

	1 01111 1111 0 0	/\L00L/\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		accompany in the Questionnaire							
1)	Company/Facility Name	ACME HOSPITAL	1a) Form INV-5 Page	of	7						
2)	Emission Point No.	EP7	J7								
4)	Calculations are provided in	n support of information reported on Form		for the Emission Point ar	nd Emissi	on Unit list	ed above.				
5)	Emissions Calculations										

Process: Dual Fuel Combustion > 600 BHP SCC No. 20200402

Fuel: Dual Fuel (95% Natural Gas and 5% Diesel Fuel)

<u>Maximum rate:</u> $(9,500 \text{ ft}^3/\text{hr x }.00105 \text{ MMBtu/ft}^3) + (3.75 \text{ gal/hr x } 0.140 \text{ MMBtu/gal}) = 10.5 \text{ MMBtu/hr}$

Permit Limits: Diesel fuel or dual fuel usage only, maximum Sulfur content of fuel may not exceed 0.5%, 500 hours of operation per 12 months, 2.50 lbs/hr PM_{10} , 5.50 lbs/hr SO_2 , and 50 lbs/hr NO_x .

- *Applicable pollutants: PM_{2.5}, VOC, CO, Benzene, Formaldehyde, and Toluene (these emission factors are higher for dual fuel combustion when compared to internal diesel combustion)
- *Pollutants attributed to the internal diesel combustion process: PM₁₀, SO₂, and NO_x (these emission factors are higher for internal diesel combustion when compared to dual fuel combustion)
- *Pollutants exempt from reporting for this process: Xylene, Naphthalene, and Styrene (these emission factors, when combined with the 500 hours of operation per 12 months permit limit, lead to emissions of less than .01 tons/yr)

Calculations

PM_{2.5}:

 $[(9,500 \text{ ft}^3/\text{hr x} .00105 \text{ MMBtu/ ft}^3) + (3.75 \text{ gal/hr x} 0.140 \text{ MMBtu/gal})] x .0556 \text{ lbs/MMBtu} = .58 \text{ lbs/hr (hourly-uncontrolled)}$

 $[(9,500 \text{ ft}^3/\text{hr x} .00105 \text{ MMBtu/ft}^3) + (3.75 \text{ gal/hr x} 0.140 \text{ MMBtu/gal})] \times .0556 \text{ lbs/MMBtu x} 500 \text{ hrs/yr x} 1 \text{ ton/2,000 lbs} = .15]$ tons/yr (potential annual emissions)

VOC:

 $[(9,500 \text{ ft}^3/\text{hr x} .00105 \text{ MMBtu/ft}^3) + (3.75 \text{ gal/hr x} 0.140 \text{ MMBtu/gal})] \times 0.8 \text{ lbs/MMBtu} = 8.40 \text{ lbs/hr (hourly-uncontrolled)}$ emissions) x 500 hrs/yr x 1 ton/2,000 lbs = 2.10 tons/yr (potential annual emissions)

CO:

 $[(9,500 \text{ ft}^3/\text{hr} \times .00105 \text{ MMBtu/ft}^3) + (3.75 \text{ gal/hr} \times 0.140 \text{ MMBtu/gal})] \times 1.16 \text{ lbs/MMBtu} = 12.18 \text{ lbs/hr} (hourly-uncontrolled)$ emissions) x 500 hrs/yr x 1 ton/2,000 lbs = 3.05 tons/yr (potential annual emissions)

Benzene:

 $[(9,500 \text{ ft}^3/\text{hr x} .00105 \text{ MMBtu/ft}^3) + (3.75 \text{ gal/hr x} 0.140 \text{ MMBtu/gal})] \times .00445 \text{ lbs/MMBtu} = .05 \text{ lbs/hr (hourly-uncontrolled lbs/mmbtu})$ emissions) $x 500 \text{ hrs/yr} \times 1 \text{ ton/2,000 lbs} = .01 \text{ tons/yr} \text{ (potential annual emissions)}$

Formaldehyde:

 $[(9,500 \text{ ft}^3/\text{hr x} .00105 \text{ MMBtu/ft}^3) + (3.75 \text{ gal/hr x} 0.140 \text{ MMBtu/gal})] x .0054 \text{ lbs/MMBtu} = .06 \text{ lbs/hr (hourly-uncontrolled)}$ emissions) $x 500 \text{ hrs/yr} \times 1 \text{ ton/2,000 lbs} = .01 \text{ tons/yr} \text{ (potential annual emissions)}$

 $[(9,500 \text{ ft}^3/\text{hr x} .00105 \text{ MMBtu/ft}^3) + (3.75 \text{ gal/hr x} 0.140 \text{ MMBtu/gal})] \times .00523 \text{ lbs/MMBtu} = .05 \text{ lbs/hr (hourly-uncontrolled)}$ emissions) x 500 hrs/yr x 1 ton/2,000 lbs = .01 tons/yr (potential annual emissions)

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Form INV-5 CALCULATIONS

Duplicate this form for each Form it will accompany in the Questionnaire

1)	Company/Facility Name	ACME HOSPITAL				1a) Form INV-5 Page	6	of	7
2)	Emission Point No.	EP7	3) E	Emission Unit	No. EU	7			
4)	Calculations are provided in	n support of information reported on Form	INV -	3 🗌	4 🖂	for the Emission Point a	nd Emissi	on Unit list	ed above.
5)	Emissions Calculations								
Pı	rocess: Internal Diesel C	Combustion > 600 BHP SCC No. 20)200	401					
	uel: Diesel Fuel ctual Throughput: 15,00	00 gallons x 0.140 MMBtu/gallon =	: 2,10	00 MMBtu					
		M _{2.5} , PM ₁₀ , SO ₂ , NO _x , VOC, CO, B .01 tons/yr for this generator)	Benze	ene, Forma	ldehyde, aı	nd Toluene (these pol	lutants h	iave potei	ntial
		reporting for this process: Xylene, Nours of operation per 12 months per						n factors,	when
	<u>M_{2.5}:</u> 5,000 gal x 0.140 MMBt	tu/gal x .05 lbs/MMBtu x 1ton/2,00	00 lbs	s = .05 tons	:				
	<u>M₁₀:</u> 5,000 gal x 0.140 MMB	tu/gal x .14 lbs/MMBtu x 1ton/2,00	00 lbs	s = .15 tons	.				
	<u>O₂:</u> 5,000 gal x 0.140 MMB	tu/gal x 1.01 lbs/MMBtu x 0.5 (Sul	fur c	ontent) x 1	ton/2,000	lbs = .53 tons			
	<u>O_x:</u> 5,000 gal x 0.140 MMB	tu/gal x 3.2 lbs/MMBtu x 1ton/2,00	00 lbs	s = 3.36 tor	ns				
	<u>OC:</u> 5,000 gal x 0.140 MMBt	tu/gal x .09 lbs/MMBtu x 1ton/2,00	00 lbs	s = .09 tons	.				
	<u>O:</u> 5,000 gal x 0.140 MMB	tu/gal x .85 lbs/MMBtu x 1ton/2,00	00 lbs	s = .89 tons	ı				
	enzene: 5,000 gal x 0.140 MMB	tu/gal x .000776 lbs/MMBtu x 1ton	1/2,00	00 lbs = .00) tons				
	ormaldehyde: 5,000 gal x 0.140 MMB	tu/gal x .0000789 lbs/MMBtu x 1to	on/2,0	000 lbs = .0	00 tons				
	oluene: 5,000 gal x 0.140 MMB	tu/gal x .000281 lbs/MMBtu x 1ton	1/2,00	00. = sdl) tons				

Form INV-5 CALCULATIONS

Duplicate this form for each Form it will

1)	Company/Facility Name	ACME HOSPITAL			1a) Form INV-5 Page	7									
2)	Emission Point No.	EP7	3)	Emission Un	t No.	EU7	7								
4)	Calculations are provided in	n support of information reported on Forn	ı INV	3 🗌	4 🖂		for the Emission Point a	ınd Emissi	on Unit list	ted above.					
5)	Emissions Calculations														
Pı	ocess: Dual Fuel Comb	oustion > 600 BHP SCC No. 20200	402												
	<u>Fuel:</u> Dual Fuel (95% Natural Gas and 5% Diesel Fuel) <u>Actual Throughput:</u> (1,900,000 ft^3 x .00105 MMBtu/ft^3) + (750 gal x 0.140 MMBtu/gal) = 2,100 MMBtu														
	*Applicable pollutants: $PM_{2.5}$, PM_{10} , SO_2 , NO_x , VOC , CO , Benzene, Formaldehyde, and Toluene (these pollutants have potential emissions of greater than .01 tons/yr for this generator)														
		reporting for this process: Xylene, n per 12 months permit limit, lead						rs, when	combine	ed with					
Pl	<u>alculations</u> <u>M_{2.5}:</u> 1,900,000 ft ³ x .00105 N	MMBtu/ft ³) + (750 gal x 0.140 MM	IBtu/	gal)] x .05	56 lbs/N	MMI	Btu x 1 ton/2,000 lbs	= .06 to	ns						
	<u>M</u> ₁₀ <u>:</u> 1,900,000 ft ³ x .00105 N	MMBtu/ft ³) + (750 gal x 0.140 MN	[Btu/	'gal)] x .05	73 lbs/N	ММЕ	3tu x 1 ton/2,000 lbs	= .06 to	ns						
[(<u>O₂:</u> 1,900,000 ft ³ x .00105 M ns	MMBtu/ft ³) + (750 gal x 0.140 MM	IBtu/	gal)] x .05	lbs/MN	ИВtu	ı x 0.5 (Sulfur conter	nt) x 1 to	n/2,000 1	bs = .05					
	<u>O_x:</u> 1,900,000 ft ³ x .00105 N	MMBtu/ft ³) + (750 gal x 0.140 MN	I Btu/	[gal)] x 2.7	lbs/MN	ИВtu	x 1 ton/2,000 lbs =	2.84 tons	S						
	<u>OC:</u> 1,900,000 ft ³ x .00105 N	MMBtu/ft ³) + (750 gal x 0.140 MM	IBtu/	[gal)] x 0.8	lbs/MN	ИВtu	x 1 ton/2,000 lbs =	.84 tons							
	<u>O:</u> 1,900,000 ft ³ x .00105 N	MMBtu/ft ³) + (750 gal x 0.140 MM	IBtu/	ˈgal)] x 1.1	6 lbs/M	MBt	tu x 1 ton/2,000 lbs =	= 1.22 to	ns						
	enzene: 1,900,000 ft ³ x .00105 N	MMBtu/ft ³) + (750 gal x 0.140 MM	IBtu/	[gal)] x .00	445 lbs/	/MM	IBtu x 1 ton/2,000 lb	s = .00 to	ons						
	ormaldehyde: 1,900,000 ft ³ x .00105 N	MMBtu/ft ³) + (750 gal x 0.140 MM	IBtu/	[gal)] x .00	54 lbs/N	MMI	3tu x 1 ton/2,000 lbs	= .01 to	ns						
	<u>oluene:</u> 1,900,000 ft ³ x .00105 N	MMBtu/ft ³) + (750 gal x 0.140 MM	IBtu/	[gal)] x .00	523 lbs/	/MM	IBtu x 1 ton/2,000 lb	s = .01 to	ons						

Form INV-3 EMISSION UNIT DESCRIPTION – POTENTIAL EMISSIONS

Duplicate this form for EACH Emission UNIT

1)	Company/F	acility Name	AC	ACME HOSPITAL						orm INV-3 Pag	je 4		of	5	
2)	Emission P	oint Number	EF	7											
					EMI	SSION UNIT (PROCESS)	IDENTIFICATION &	DESCRIPTION	ON					
3)	Emission U	nit Number	El	J7											
4)	SCC Number	er	20	2004	101										
5)	Description	of Process	IN	TER	NAL I	DIESEL (COMBU	STION							
6)	Date of Con		6-15-94	4	7)	Date of In	stallation	6-30-94	8) D	ate of Modifica	tion				
9)		al – OR Fuels U ase for EACH			DIES	EL FUEL	-								
10)	Federally E	nforceable Lim	nit		Diese	el/dual fu	ıel use d	only, 0.5% m	aximum	Sulfur co	ntent,	500 l	hrs/y	/r	
11)	Permit or R	ule Establishin	g Limit		85-A	-000									
12)	Maximum H	lourly Design F	Rate		10.5				MMB	TU		Per H	our		
13)				AIR POLLUTION CONTROL EQUIPMENT (CE)											
	Control Equipment Number														
		uipment Descri	-												
	Control Equipment Number														
	Control Equipment Description POTENTIAL EMISSIONS														
	POTENTIAL EMISSIONS 15														
Ai	14 r Pollutant	Emiss	16 Emission Factor Units		Source of Emission Factor	Ash or Sulfur %	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency	Transfer	Potential Hourly Controlled Emissions (Lbs/Hr		Em	ntial Annual nissions ons/Yr)		
	PM-2.5														
	PM-10	.14	LB/	ММЕ	TU	DNR MEMO		1.47			2.50		0.63	}	
	SO ₂	1.01	LB/	ММЕ	TU	AP-42	0.5	5.30			5.50	0		3	
	NOx	3.2	LB/	ММЕ	TU	AP-42		33.60			50.00		12.5	50	
	voc														
	со														
	Lead														
A	mmonia														
РО	TENTIAL E	MISSIONS -	Individua	al HAF	es and a	additional re	egulated ai	r pollutants – list	each indiv	idual polluta	nt name in	Colu	mn 14		

Duplicate this form as needed TYPE ALL INFORMATION (DNR Form 542-4001. December 24, 2007)

^{*}Sources of Emission Factors: CEM .. Stack Test .. Mass Balance .. AP-42 .. WebFIRE.. TANKS.. EPA-L&E .. Worksheet .. Other - Specify

Form INV-3 EMISSION UNIT DESCRIPTION – POTENTIAL EMISSIONS

Duplicate this form for EACH Emission UNIT

										LIIII	SSIUII UIVIII				
1)	Company/F	acility Name	4	ACME HOSPITAL						orm INV-3 Page	e 5		of	5	
2)	Emission P	oint Number	I	EP7											
					EMI	SSION UNIT (PROCESS)	DENTIFICATION &	DESCRIPTION	ON					
3)	Emission U	nit Number		EU7											
4)	SCC Number	er		20200											
5)	Description	1			FUEL	COMBU	ISTION								
6)	Date of Con		6-15-	-94	7)	Date of In	stallation	6-30-94	8) D	ate of Modificati	ion				
9)		al – OR Fuels lase for EACH		int	DUA	L FUEL (95% NA	TURAL GAS	5, 5% DII	ESEL FUE	L)				
10)	Federally E	nforceable Lin	nit		Diese	el/dual fu	iel use d	only, 0.5% m	aximum	Sulfur co	ntent, 5	500 k	nrs/y	/r	
11)	Permit or R	ule Establishii	ng Limit												
12)	Maximum H	lourly Design	Rate		10.5				MMB [*]	ΓU		Per Ho	our		
13)						AIR POL	LUTION CO	NTROL EQUIPMEN	T (CE)						
	Control Equ	uipment Numb	er												
		uipment Descr	-												
	Control Equ	uipment Numb	er												
	Control Equipment Description														
	POTENTIAL EMISSIONS 17														
Ai	14 15 Air Pollutant 15 Factor			16 mission Factor Units		Source of Emission Factor	18 Ash or Sulfur %	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency	21 Transfer Efficiency	Potential Hourly Controlled Emissions (Lbs/Hr)		Em	itial Annual nissions ons/Yr)	
	PM-2.5	.0556	L	.B/MM	3TU	FIRE 6.25		.58					.15		
	PM-10														
	SO ₂														
	NOx														
	voc	8.0	L	.B/MM	зти	AP-42		8.40					2.10)	
	со	1.16	L	.B/MM	зти	AP-42		12.18					3.05	;	
	Lead														
Α	mmonia														
РО	TENTIAL E	MISSIONS -	- Indivi	dual HA	Ps and a	additional re	egulated ai	r pollutants – list	each indiv	ridual pollutan	t name in	Colu	mn 14		
E	Benzene	.00445	L	.B/MMI	зти	AP-42		.05					.01		
For	ormaldehyde .0054 LB/MMB1				зти	AP-42		.06					.01		
-	Toluene .00523 LB/MMB1					AP-42		.05					.01		

Duplicate this form as needed TYPE ALL INFORMATION (DNR Form 542-4001. December 24, 2007)

^{*}Sources of Emission Factors: CEM .. Stack Test .. Mass Balance .. AP-42 .. WebFIRE.. TANKS.. EPA-L&E .. Worksheet .. Other - Specify

Form INV-4 EMISSION UNIT DESCRIPTION - ACTUAL EMISSIONS

Duplicate this form for EACH

	Form	I INV-4 E	MISSIC	ON UNIT DES	CRIP	TION – AC	IUAL EMIS	SION	5			ion UN	IT į				
1)	Company/Fac	ility Name	AC	ME HOSPIT	OSPITAL 1a) Fo						Page	4	of	5			
2)	Emission Year	r	200	08 3) Emis	sion Point Num	ber		EP7								
				EMIS	SION	JNIT – ACTUAL	OPERATIONS A	ND EMI	SSIONS								
4)	Emission Unit	Number	EU	17			5) S	CC Nun	nber	2020	0401						
6)	Description of	Process	INT	ΓERNAL DIE	SEL	COMBUS	TION										
			•			ACTUAL	THROUGHPUT										
7)	Raw Material			DIESEL FU	EL												
8)	Actual Throug	hput – Year	ly Total	2,100		9)	Units Raw Material MMBTU										
							tual Operating Rate/Schedule										
	LANL MAD	10) 1	Percent of	f Total Operating Ti	ime	-			12) Days/Week				13) Weeks/Quarter				
	JAN – MAR			10						4			5				
	APR – JUN			40		4				4			5				
	JUL – SEP			40			4 4						5 5				
44	OCT - DEC			10	0 1 4 AIR POLLUTION CONTROL EQUIPMENT (CE)												
14)	Control Equi	nment Num	hor		AIR	PULLUTION CC	I KUL EQUIPN	ieni (C	⊏)								
	Control Equi	-															
	_	-	•														
	Control Equi	-															
	Control Equi	pment Desc	ription			ACTUAL E	MISSIONS										
	15	16		17	0	18	19	0	20	41	21			22			
	Air Pollutant	Emission F		mission Factor Units		rce of Emission Factor	Ash or Sulfur %		ined Con	TI TI	ransfer Eff	iciency		ions (Tons/Yr)			
	PM-2.5	.05	L	.B/MMBTU	Wel	bFIRE							.05				
	PM-10	.14	L	.B/MMBTU	DNI	R MEMO						.15		5			
	SO ₂	1.01	L	.B/MMBTU	AP-	42	0.5					.53					
	NOX	3.2	L	.B/MMBTU	AP-	42							3.36				
	voc	.09	L	.B/MMBTU	AP-	42							.09				
	СО	.85	L	.B/MMBTU	AP-	42							.89				
	Lead																
	Ammonia																
,	ACTUAL EMIS	SIONS – Ir	ndividual	I HAPs and addit	ional	regulated air	oollutants – lis	t each	individ	ual pol	lutant n	ame in	Column 1	5			
	Benzene	.000776	6 L	.B/MMBTU	AP-	42							.00				
F	Formaldehyde .0000789 L			.B/MMBTU	AP-	42							.00				
	Toluene	.000281	1 L	.B/MMBTU	AP-	42							.00				

^{*}Sources of Emission Factors: CEM .. Stack Test .. Mass Balance .. AP-42 .. WebFIRE.. TANKS.. EPA-L&E .. Worksheet .. Other – Specify

Duplicate this form as needed

TYPE ALL INFORMATION

(DNR Form 542-4002 December 24, 2007)

Form INV-4 EMISSION UNIT DESCRIPTION – ACTUAL EMISSIONS

Duplicate this form for EACH

						Emiss	<u>sion UNI</u>									
1) Company/Fac	ility Name	AC	ACME HOSPITAL						m INV-4	Page	5		of	5		
2) Emission Yea	r	20	08 3	Emission Point	Number			EP7								
			EMIS	SION UNIT – ACTI	UAL OPER	RATIONS AI	ND EM	SSIONS								
4) Emission Unit	t Number	EU	J7			5) SC	CC Nun	nber	2020	0402						
6) Description of	f Process	DU	JAL FUEL CO	OMBUSTION	N											
					IAL THRO											
7) Raw Material			DUAL FUEL	_ (95% NAT	URAL	GAS, 5	% DI	ESEL	. FUE	L)						
8) Actual Throug	ghput – Yearl	y Total	2,100			its Raw Mat	erial	MM	BTU							
	10) P	ercent o	f Total Operating Ti	Actual Oper	ating Rate Hours/Da			12) Da	vs/Week	,	1 ,	13) W	eeks/Qu	arter		
JAN – MAR	10/1	Crociii	10	11)	1				12) Days/Week 4				5			
APR – JUN			40		4					5						
JUL – SEP			40		4			4				5				
OCT - DEC			10		1						5					
14)				0 1 4 5 AIR POLLUTION CONTROL EQUIPMENT (CE)												
Control Equ	ipment Numb	er														
Control Equi	ipment Descr	iption														
Control Equ	ipment Numb	er														
Control Equ	Control Equipment Description															
ACTUAL EMISSIONS																
15 Air Pollutant	16 Emission Fa	actor I	17 Emission Factor Units	18 Source of Emissic Factor	on Ash	19 or Sulfur %		20 pined Con fficiency	trol	21 ransfer Eff	iciency	22 Actual Emissions (Tons				
PM-2.5	.0556	L	B/MMBTU	WebFIRE								.06				
PM-10	.0573	L	B/MMBTU	WebFIRE							.06)6			
SO ₂	.05	L	_B/MMBTU	AP-42	0.5							.03				
NOX	2.7	L	B/MMBTU	AP-42								2.8	4			
voc	0.8	L	B/MMBTU	AP-42								.84				
со	1.16	L	B/MMBTU	AP-42								1.2	2			
Lead																
Ammonia																
ACTUAL EMIS	SSIONS – In	dividua	I HAPs and addit	ional regulated	air pollu	tants – list	t each	individ	ual pol	lutant n	ame in	Colu	ımn 15			
Benzene	.00445	L	_B/MMBTU	AP-42								.00				
Formaldehyde	.0054	L	B/MMBTU	AP-42								.01				
Toluene	.00523	L	_B/MMBTU	AP-42								.01				

Duplicate this form as needed

TYPE ALL INFORMATION

(DNR Form 542-4002 December 24, 2007)

^{*}Sources of Emission Factors: CEM .. Stack Test .. Mass Balance .. AP-42 .. WebFIRE.. TANKS.. EPA-L&E .. Worksheet .. Other – Specify